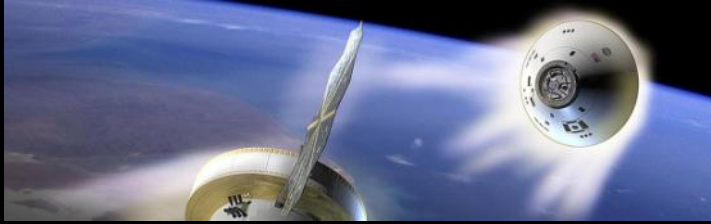


ORION

CREW EXPLORATION VEHICLE

WEEKLY ACCOMPLISHMENTS



01.15.10



Installation of the Forward Bay Cover (FBC) started at the White Sands Missile Range on the Pad Abort -1 Crew Module (both pictures on left.)

The cover is temporarily secured and is ready for a final harness mate, which will occur after the Launch Abort System (LAS) to Crew Module (CM) testing is complete. A Boroscope camera was used to survey the hidden areas underneath the cover and external measurements have been taken to verify appropriate and consistent clearances to the FBC.



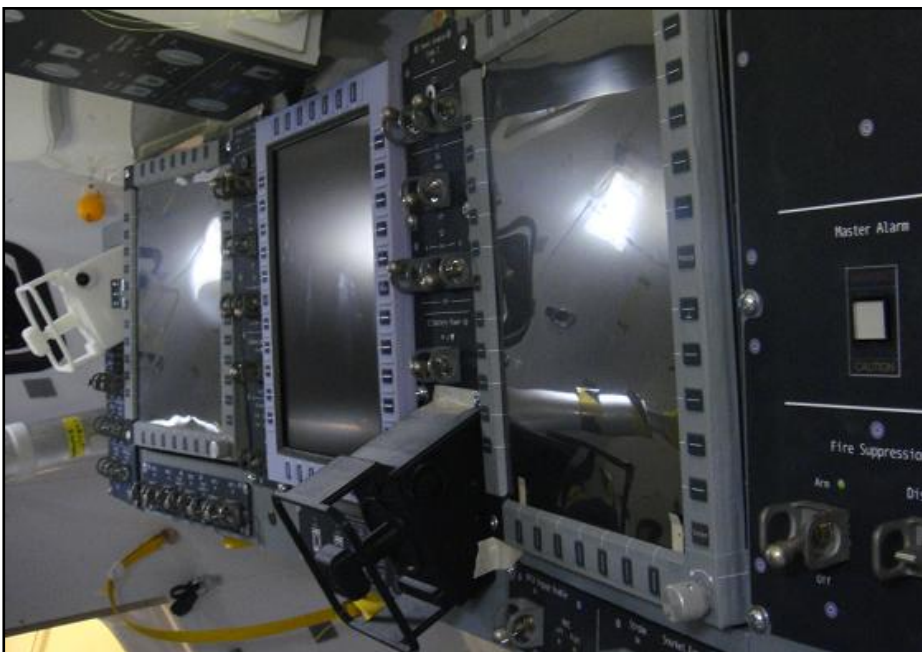
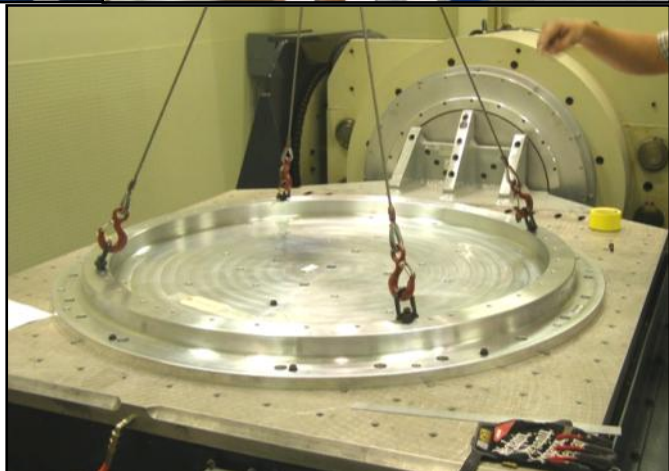
Progress continues at the Michoud Assembly Facility (MAF) in New Orleans, Louisiana on the installation of the strain gauges (shown above right) on the Orion Ground Test Article (GTA.)

Installation was completed on the GTA Cone, Aft Bulkhead and Forward Bulkhead. Shown right are members of the Michoud team with the GTA Aft Bulkhead (comprised of two gore panels and a center panel) that forms the bottom of the crew module.





The Low Impact Docking System (LIDS) Ground Test Article (GTA) Mass Simulator deliverable (shown in pictures above) is completely assembled (on schedule) and is headed for vibration testing at Johnson Space Center (JSC) for model correlation in the upcoming weeks. The vibration test plate (shown right) has been fit-checked with the test facility and the overall LIDS GTA is still on schedule for delivery to Denver, Colorado in March.



The Low Fidelity Mockup located in Building 9 at Johnson Space Center was upgraded with a new Displays and Controls (D&C) console (shown left) to reflect the canted Display Unit configuration. Switches acquired from shuttle excess stocks were integrated in the current configuration to improve the fidelity of the mockup.

